

Fig. 1 Schematic Representation of the MOG Proteins

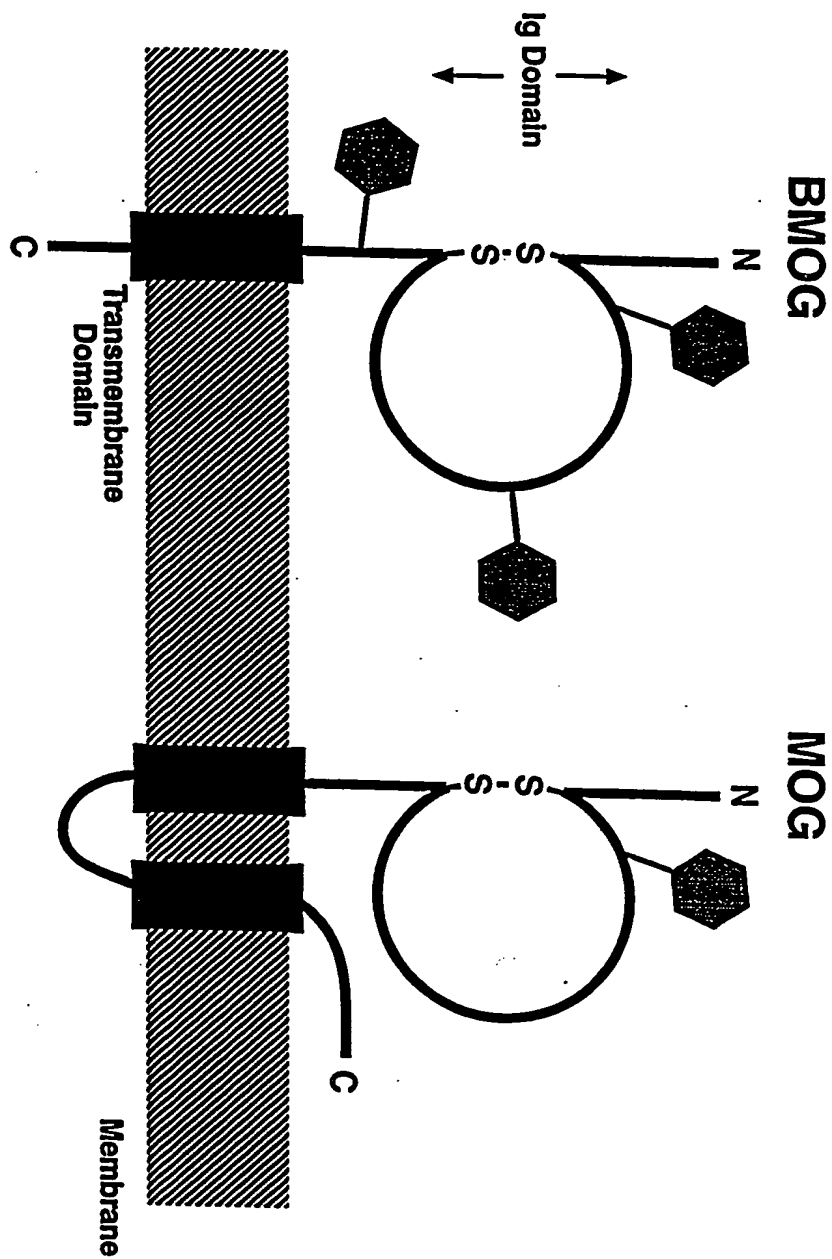


FIG. 1

EXPRESS MAIL
EV270263485US

Fig.2 Human BMOG Protein Structure

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MAMMLLLIMVHPGSCALWVSQPEIRTEGSSAFLPSTFNASQGRLLAIGSVTWERDEVV
10      20      30      40      50      60
PGKEVRNGTPEFRGRLLAPLIASSRFLHDHQAEHLHIRDVGRGHDAITYGKVELGLGVGTGNG
70      80      90      100     110     120
TRLVVEKEHPQLGAGTYLLLRAGEYAVSTLSVAVGSTVYYHGK...
130     140     150     160

..CHCHMGTHCHSSDGPGRGVTPEPRCP
..YAKSTLSGFPQL
..CLTWKGPRROLPAVVPAPLPPECGSSAHLIPVPEGG
170     180     190

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FIG. 2

Fig.3
Alignment of the First Extracellular Ig Domain of BMOG, MOG, Butyrophilin, B-G and B7

hu-1C7	MAMMLLLILIMVHPGSCAL-----WVSQPEIRTLGGSSAFLPC-----SFWASQGR
hu-MOG	MASLSRPSLPSCLCSFLLILLIQVSSSYAGQFRVIGPRHPITRALVGEDELPCRI--SPGRNATG
rat-MOG	MAGVWSLSLPSCLLSILLI--QLSRSYAGQFRVIGPRHPITRALVGEDELPCRI--SPGRNATG
mo-MOG	MACLSFSWSPSCFLSILLILLQLSCSYAGQFRVIGPRHPITRALVGEDELPCRI--SPGRNATG
ch B-G	MAFTSGCQNPSTFLPWRTLLPYLVALHLQPSAQITVVAPSLRYT---ALVGQDVLRCHL--SPCKOVRN
hu-Bu	MASSLAFLILNFHVSLLVQLLTPC---SAQFSVLGSPGPILANVGEDADLPCHL--FPTMSAET
bov-Bu	MAVFPNSCLAGCLLIFILLQPKLD---SAPFDVIGPPEPILAVGEDAELPCRL--SPNVSAKG
hu-B7-1	MGHTRRQGTSPSKCPYIANFQQLVLAGLSHFQSGVTHVTKEVKEVATLSQGH-NVSYIEELAQ
hu-B7-2	MGLSNILFVMAFLLSGAAPLKIQAFFNETADLPQOFANSONQSLSE
hu-1C7	LAIQSVTWER-DEVVPGKEVRNGT-----PEFRGRLAPLASSRFLHDQAEHLIRDVRGHDASTVYC
hu-MOG	MEVG---WYRPPFSRVHLRYNGKDQDQDAQPEYRGR-TELLKDAIGEGKYT-LRIPNVRFSDGEGTYC
rat-MOG	MEVG---WYRSPFSRVHLRYNGKDQDAQDAQPEYRGR-TELLKESIGEGKYA-LRIONVRFSDGEGTYC
mo-MOG	MEVG---WYRSPFSRVHLRYNGKDQDAQDAQPEYRGR-TELLKETISEGKYT-LRIONVRFSDGEGTYC
ch B-G	SDIR---WIQQRSSRLVHHRNGVDL--GOMEYKGR-TELLRDGISDGNLD-LRITAVTSSDSGSYSC
hu-Bu	MELK---WVSSSLRQVNVNVAADKEVEDRQSAFYRGR-TSILRDGITAGKAA-LRITHNVYASDSGQLEEC
bov-Bu	MELR---WFEREKVSPAVFVSREGQEOEGEEMAEYRGR-VSLVEDHITAGSYA-VRIQEVKASDGEYRC
hu-B7-1	TRIV---WQ-KERKMLVTMM-SGDMN---TWPEYKNR-TIF--DITN---NLSTVILALRPSDEGTYEC
hu-B7-2	LIVF---WQ-DQENLVINEVYLGEKEKFDVSHSKYMR-TSF--D-SD---SWTLRLHNLQIKDKGLVQC
hu-1C7	RVELGLGVGTNGTRLVVEKEHPQLGAGTYLLRAGEYAVSELAVAGSTVXX
hu-MOG	FFRDHSYQEEAAME-LKVEDPEYMWVSQGVATLAVLEVLLOITWGLVFLCL
rat-MOG	FFRDHSYQEEAAME-LKVEDPEYMINSGVATLAVLEMLLOVSVGIVFLFL
mo-MOG	FFRDHSYQEEAAME-LKVEDPEYMWNPQGVATLAVLPTLLOVSVGIVFLFL
hu-Bu	(second Ig domain)
bov-Bu	(second Ig domain)
hu-B7-1	(second Ig domain)
hu-B7-2	(second Ig domain)

FIG. 3

FIG. 4

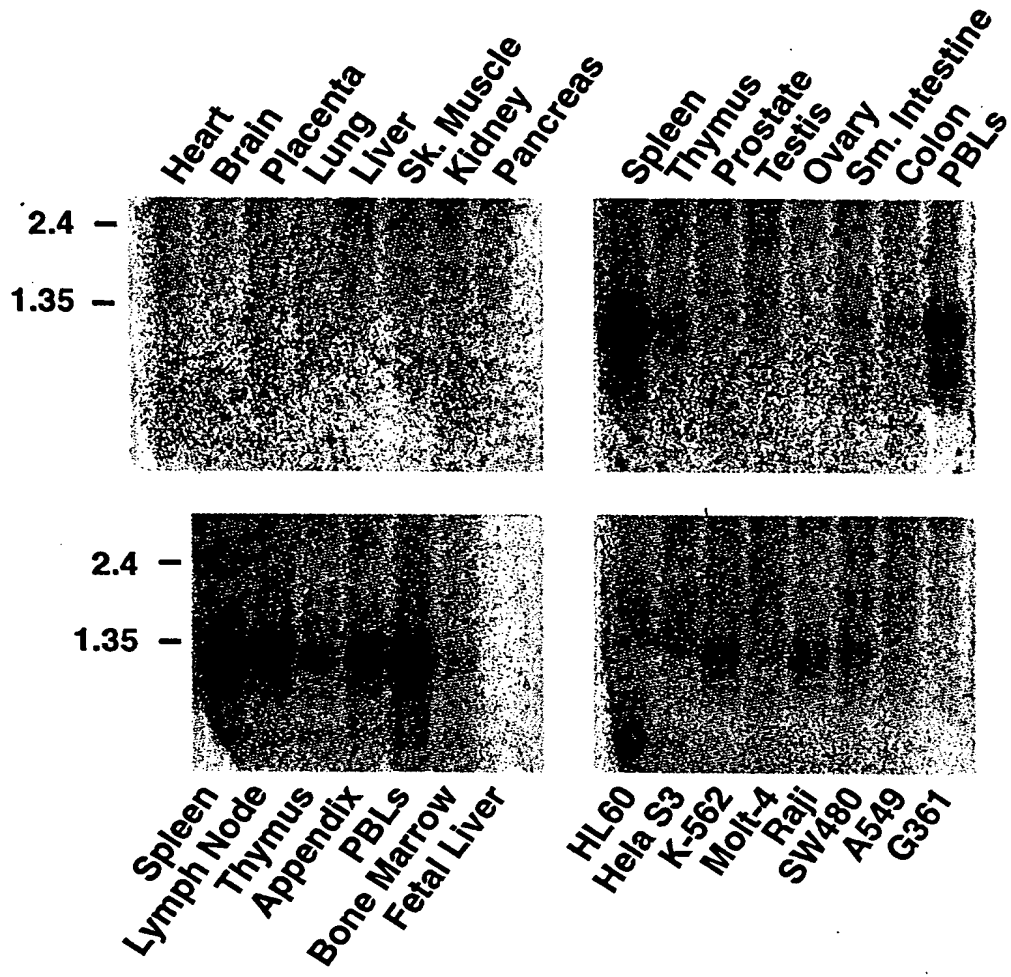


FIG. 5

